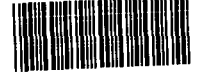




ELMWOOD PARK, NJ
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SDMS Document



68029

**Langan
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29 June 1989
2027001

**Ms. Janet Feldstein
USEPA Region II
26 Federal Plaza
New York, New York 10278**

Dear Janet:

A few weeks ago we discussed a PCB "hot spot" overhead prepared by ERM for a presentation. ERM has not been able to locate it but is producing a replacement which I will forward to you once I get it. As a supplement or substitute, I had a few "hot spot" maps for my own use. Recognizing beforehand that you will realize that these are rough approximations based only on data from Dames & Moore's RI, I've enclosed ten sets for your use. If you have any questions, please call.

Very truly yours,

LANGAN ENVIRONMENTAL SERVICES, INC.

Donald J. Murphy
Facility Coordinator

DJM:mg
Enclosures

cc: Mr. W.L. Warren - CSPA&C

004315

TO: Don Murphy
FROM: Gerry Coscia *GMC*
DATE: 23 June 1989
RE: SCP-C PCB Hot Spots

As requested, I have prepared a set of PCB hot spot contour maps for the Carlstadt site. A set of maps is attached for your review. I selected total PCB concentrations of 5, 25, 50 and 100 ppm as the potential base levels for hot spots. The contours I constructed reflect my interpretation of the data. Other, more intricate, contouring is possible, but I don't think it's warranted without more control points.

I have also prepared volume estimates for each of the hot spot concentrations. These are shown on the attached table. Two cases were considered: hot spot remediation to a depth of 2 feet, and hot spot remediation to the top of clay. This latter case comprises the First Operable Unit, which, based on the average depth of the top of clay samples, extends to a depth of 10 feet. I used the average end area method to compute volumes between the discrete sampling intervals. In the one case (total PCB greater than 5 ppm) where the hot spot did not terminate above the top of clay, I extended the hot spot an additional 2 feet in depth.

GC:mg
Attachment

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SCP CARLSTADT SITE
PCB HOT SPOT VOLUME ESTIMATES

Hot Spot PCB Concentrations (ppm)	Hot Spot Remediation, 0-2 ft. ONLY			Hot Spot Remediation to TOC ⁽³⁾	
	Remedial Volume (cy)	Percent of 0-2 ft. Volume ⁽¹⁾	Percent of 0-10 ft. Volume ⁽²⁾	Remedial Volume (cy)	Percent of 0-10 ft. Volume ⁽²⁾
> 5	13,000	68	14	45,000	47
> 25	7,000	37	7	22,000	23
> 50	5,000	26	5	20,000	21
> 100	3,000	16	3	16,000	17

Notes:

- (1) 0-2 ft Volume = 19,000 cy (based on 5.9 acre site)
- (2) 0-10 ft Volume = 95,000 cy (based on 5.9 acre site)
- (3) TOC = Top of Clay (average depth of approximately 10 ft)

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[illegible]

